	Search Text
6	("4174092" "4174204" "4175434" "4178173" "4178469" "4178959" "4066120" "4068371" "4071046" "4072014" "4072615" "4073235" "4076280" "4076583" "4077468" "4081232" "4082236" "4083465" "4086786" "4098275" "4099540" "4099904" "4100799" "4100800" "4101253" "4102179" "4103827" "4104906" "4104948" "4106412" "4106610" "4111615"
7	(substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped)
8	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped)).ab,clm,ti.
9	("3348990" | "3876822" | "4017968" | "4245273" | "4254445" | "4521449" | "4551788" | "4729061" | "4801489" | "4858819" | "5050295" | "5091825" | "5120678" | "5129142").PN.
10	5406034.URPN.

	DBs
6	USPAT
7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	USPAT
10	USPAT

	Search Text
11	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped)) not (((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped)).ab,clm,ti.)
12	(substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (coaxial or concentric)
13	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (coaxial or concentric)) not ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped))
14	(((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (coaxial or concentric)) not ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (stepped))) and ((bore or diameter) with (greater or smaller))
15	((174/262) or (174/263) or (174/264)).CCLS.
16	((174/262) or (174/263) or (174/264)).CCLS.
17	((174/265) or (174/266)).CCLS.
18	(((174/265) or (174/266)).CCLS.) not (((174/262) or (174/263) or (174/264)).CCLS.)
19	(174/261).CCLS.

	DBs
11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	USPAT
16	USPAT
17	USPAT
18	USPAT
19	USPAT

	Search Text
20	((174/261).CCLS.) not ((((174/265) or (174/266)).CCLS.) or (((174/262) or (174/263) or (174/264)).CCLS.))
21	((174/255) or (174/260)).CCLS.
22	(((174/255) or (174/260)).CCLS.) not (((174/261).CCLS.) or (((174/265) or (174/266)).CCLS.) or (((174/262) or (174/263) or (174/264)).CCLS.))
23	((361/792) or (361/793) or (361/794) or (361/795)).CCLS.
24	(((361/792) or (361/793) or (361/794) or (361/795)).CCLS.) not ((((174/255) or (174/260)).CCLS.) or ((174/261).CCLS.) or (((174/265) or (174/266)).CCLS.) or (((174/262) or (174/263) or (174/264)).CCLS.))
25	(361/760).CCLS.
26	((361/760).CCLS.) not ((((361/792) or (361/793) or (361/794) or (361/795)).CCLS.) or (((174/255) or (174/260)).CCLS.) or ((174/261).CCLS.) or (((174/265) or (174/266)).CCLS.) or (((174/262) or (174/263) or (174/264)).CCLS.))
27	((439/65) or (439/75) or (439/74)).CCLS.
28	(((439/65) or (439/75) or (439/74)).CCLS.) not (((361/760).CCLS.) or (((361/792) or (361/793) or (361/794) or (361/795)).CCLS.) or (((174/255) or (174/260)).CCLS.) or ((174/261).CCLS.) or (((174/265) or (174/266)).CCLS.) or (((174/262) or (174/263) or (174/264)).CCLS.))

	DBs
20	USPAT
21	USPAT
22	USPAT
23	USPAT
24	USPAT
25	USPAT
26	USPAT
27	USPAT
28	USPAT

	Search Text
29	((174/261) or (174/262) or (174/263) or (174/265) or (174/264) or (174/266) or (174/260) or (361/760) or (361/792) or (361/793) or (361/794) or (361/795) or (439/75) or (439/65) or (439/74)).CCLS.
30	((361/737) or (361/773)).CCLS.
31	(((361/737) or (361/773)).CCLS.) not1
32	(((361/737) or (361/773)).CCLS.) not (((174/261) or (174/262) or (174/263) or (174/265) or (174/264) or (174/266) or (174/260) or (361/760) or (361/792) or (361/793) or (361/794) or (361/795) or (439/75) or (439/65) or (439/74)).CCLS.)
33	((361/785) or (361/788) or (361/791)).CCLS.
34	(((361/785) or (361/788) or (361/791)).CCLS.) not ((((361/737) or (361/773)).CCLS.) or (((174/261) or (174/262) or (174/263) or (174/265) or (174/264) or (174/266) or (174/260) or (361/760) or (361/792) or (361/793) or (361/794) or (361/795) or (439/75) or (439/65) or (439/74)).CCLS.))
35	(substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)

	DBs
29	USPAT
30	USPAT
31	USPAT
32	USPAT
33	USPAT
34	USPAT
35	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text
36	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (concentric or coaxial or co adj axial or co-axial or concentrical))
37	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (stepped))

	DBs
36	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
37	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text
38	(((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (stepped))) not (((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (concentric or coaxial or co adj axial or co-axial or concentrical)))
39	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and (multilayer$1 or multi-layer$1)

DBs
38	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
39	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text
40	(((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and (multilayer$1 or multi-layer$1)) not ((((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (concentric or coaxial or co adj axial or co-axial or concentrical))) or (((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or

	DBs
40	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text
41	((((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and (multilayer$1 or multi-layer$1)) not ((((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or . board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (concentric or coaxial or co adj axial or co-axial or concentrical))) or (((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or

	DBs
41	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text
42	((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) not (((((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and (multilayer$1 or multi-layer$1)) not ((((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger)) and ((substrate or board or card) with (hole or holes or via or vias or opening or openings or bore or passageway or passage adj way) with (size or diameter) with (smaller or bigger) with (concentric or coaxial or co adj axial or co-axial or concentrical))) or (((substrate or board or card)
43	("3276106" | "3322880" | "3446908" "3660726" "3964813" "3971610" "4030792" "4446505" "4543715" "4562301" "4653186" "5199879" "5538433" "5565654" "5761050" "5823830" "5909011" "6081996" "6083340" | "6137064" | "6303879").PN.
44	6593535.URPN.
45	("3348990" | "3876822" | "4017968" "4245273" "4254445" "4521449" "4551788" "4729061" "4801489" "4858819" "5050295" "5091825" | "5120678" | "5129142").PN.
46	5406034.URPN.

	DBs
42	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
43	USPAT
44	USPAT
45	USPAT
46	USPAT